

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Brownlie et al.  
App. No : 10/522,513  
Filed : June 22, 2006  
For : CANINE RESPIRATORY  
CORONAVIRUS (CRCV) SPIKE  
PROTEIN, POLYMERASE AND  
HEMAGGLUTININ/ESTERASE  
Examiner : Blumel, Benjamin P.  
Art Unit : 1648  
Conf No. : 3443

## AMENDMENT AND RESPONSE TO OFFICE ACTION

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed from the United States Patent and Trademark Office on December 19, 2008, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 4 of this paper.